

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2016 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>RD2035</b>	Overall LMA Rating	Total LMA Miles						
<b>Reclamation District No. 2035 Conaway</b>	<b>M</b>	<b>12.15</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					6.36			
Flood Preparedness & Training	0.12		0.12	0.99%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	1.31		1.31	10.78%				
DWR UCIP Field Study					0.12	0.02		
<i>LMA Totals:</i>	1.43	0.00	1.43	11.77%	6.48	0.02	0.00	0.00
<b>Unit No. 01 Cache Creek Settling Basin RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>2.01</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.04	0.00	0.00	0.00
<b>Unit No. 02 Yolo Bypass RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>M</b>	<b>7.63</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					3.98			
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	1.31		1.31	17.17%				
DWR UCIP Field Study					0.05	0.01		
<i>Unit Totals:</i>	1.31	0.00	1.31	17.17%	4.03	0.01	0.00	0.00
<b>Unit No. 03 Willow Slough Bypass LB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2035</b>	<b>A</b>	<b>2.51</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.38			
<i>Supplemental</i>								
DWR UCIP Field Study					0.03	0.01		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.41	0.01	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M	

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway			Bank	Unit Miles
Unit No. 01 Cache Creek Settling Basin			Right	2.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/17/2016 - 3/17/2016		9/28/2016 - 9/28/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Peter Blum		Peter Blum	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/28/2016 09/28/2016	Sterling York

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>3</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2035_01_s_2013_3				
Comment Code					
Inspector Comment					
The LMA stated that they keep a copy of the O&M manuals on hand at the district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>4</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2035_01_s_2013_4				
Comment Code					
Inspector Comment					
The district has emergency supplies and equipment on hand at their district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>5</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2035_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA plans on attending DWR Flood Fight training class this fall.					

No Photos

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/28/2016 09/28/2016	Sterling York

LM Start	0.00	Rating **	M	Issue No.	15
LM End	0.00	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677393 °	38.677393 °
				-121.709890 °	-121.709890 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41346 DS_ID:17819 EP_NO: 4363 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 36-inch Corrugated Metal Pipe through levee 7.8 feet below crown. Flap gate in 72-inch CMP riser at WS toe with abandoned pump platform on south side of East Main Street. A 30-inch welded steel pipe is sleeved through the 36-inch C.M. pipe and annular space grouted. (Permit No. 4363 - City of Woodland) FS Date: 4/2/2013 3:09:00 PM					

Photo 1 of 2 : UCIP\_FA\_2016\_41346\_18102.jpg



Flap gate and pipe at bottom of 72-inch CMP riser on WS toe.

LM Start	<b>0.00</b>	Rating **	M	Issue No.	<b>15 (cont)</b>
LM End	<b>0.00</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_FA\_2016\_41346\_18101.jpg



72-inch CMP riser on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/28/2016 09/28/2016	Sterling York

LM Start	0.03	Rating **	A	Issue No.	12
LM End	2.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677382 °	38.677180 °
				-121.709318 °	-121.672847 °
DWR ID	DWR_RD2035_01_f_2016_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The Levee has no unwanted vegetation blocking visibility or access; vegetation is very well maintained.					

Photo 1 of 1 : FA\_2016\_RD2035\_238\_12\_20160929\_00014.jpg



View of the maintained annual vegetation on the landside looking downstream. Fall 2016.

LM Start	0.03	Rating **	A	Issue No.	8
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.677381 °	38.677180 °
				-121.709316 °	-121.672847 °
DWR ID	DWR_RD2035_01_f_2016_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The Levee has no unwanted vegetation blocking visibility or access; vegetation is very well maintained.					

Photo 1 of 1 : FA\_2016\_RD2035\_238\_8\_20160929\_00015.jpg



View of the maintained annual vegetation on the waterside looking downstream. Fall 2016.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 2035 Conaway

This photo was taken from the levee crown facing east looking at discing on the waterward slope. Fall 2013.

No Photos

No Photos

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/28/2016 09/28/2016	Sterling York

LM Start	1.27	Rating **	M	Issue No.	16
LM End	1.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677249 °	38.677249 °
				-121.686358 °	-121.686358 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:42012 DS_ID:17816 EP_NO: 12597 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel conductor pipe for flooding silt dredge through the levee 3.4 feet below the crown. 10-inch steel pipe sleeved through the 18-inch steel conductor pipe annular space grouted. Siphon breaker on waterward shoulder in steel riser. (Permit No. 12597 - R.D. No. 2035) FS Date: 4/2/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_42012\_18115.jpg



Exposed pipe at WS toe/stream.

LM Start	<b>1.27</b>	Rating **	M	Issue No.	<b>16 (cont)</b>
LM End	<b>1.27</b>	Issue Type +	En	Location *	CR

Photo 2 of 2 : UCIP\_FA\_2016\_42012\_18114.jpg



Exposed pipe at WS toe/stream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/28/2016 09/28/2016	Sterling York

LM Start	1.87	Rating **	M	Issue No.	13
LM End	1.87	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677186 °	38.677186 °
				-121.675277 °	-121.675277 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:10913  
DS\_ID:17867  
EP\_NO: 13201  
Repair Type: Non-Urgent  
Crossing Status: Indicator Found  
UCIP Comments: Pipe needs to be properly marked or abandoned.  
FIELD\_STRUCT\_DESC: 8-inch diameter casing through the levee 25-feet below the crown. 3-inch gas line through the casing with annular space filled with Bentonite. Possible vent for pipe on LS next to Old River Road. (Permit No. 13201)  
FS Date: 4/2/2013

LM Start	<b>1.87</b>	Rating **	M	Issue No.	<b>13 (cont)</b>
LM End	<b>1.87</b>	Issue Type +	En	Location *	CR

Photo 1 of 2 : UCIP\_FA\_2016\_10913\_18188.jpg



Natural gas well on south side of Old river road.

Photo 2 of 2 : UCIP\_FA\_2016\_10913\_18187.jpg



Vent pipe to right of JP next to Old River Road.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Cache Creek Settling Basin	Right	2.01	09/28/2016 09/28/2016	Sterling York

LM Start	1.94	Rating **	M	Issue No.	14
LM End	1.94	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.677175 °	38.677175 °
				-121.674065 °	-121.674065 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:10914					
DS_ID:17817					
EP_NO: 2544					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears to be abandoned as there is no pumphouse. Needs to be abandoned properly					
FIELD_STRUCT_DESC: 16-inch drainage pipe through levee 5.0 feet below crown. Pump on piling structure in drainage ditch on landward side. 36-inch concrete standpipe on waterward shoulder. (Permit No. 2544 - City of Woodland)					
FS Date: 4/2/2013					

Photo 1 of 1 : UCIP\_FA\_2016\_10914\_18189.jpg



36-inch Concrete stand pipe on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Right	7.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	3/17/2016 - 3/17/2016		9/28/2016 - 9/28/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Peter Blum		Peter Blum	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	0.05	Rating **	A	Issue No.	15
LM End	7.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.676413 °	38.575386 °
				-121.672497 °	-121.635464 °
DWR ID	DWR_RD2035_02_f_2016_15				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The Levee has no unwanted vegetation blocking visibility or access; vegetation is very well maintained.					

Photo 1 of 1 : FA\_2016\_RD2035\_239\_15\_20160929\_00025.jpg



View of the maintained annual vegetation on the landside looking downstream. Fall 2016.

LM Start	0.05	Rating **	A	Issue No.	20
LM End	7.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.676413 °	38.575386 °
				-121.672497 °	-121.635464 °
DWR ID	DWR_RD2035_02_f_2016_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The Levee has no unwanted vegetation blocking visibility or access; vegetation is very well maintained.					

Photo 1 of 1 : FA\_2016\_RD2035\_239\_20\_20160929\_00024.jpg



View of the maintained annual vegetation on the waterside looking downstream. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	0.10	Rating **	C	Issue No.	16
LM End	0.10	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.675761 °	38.675761 °
				-121.672347 °	-121.672347 °
DWR ID	DWR_RD2035_02_f_2015_16				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
The ruts have been repaired in fall 2016.					

No Photos

LM Start	0.28	Rating **	M	Issue No.	1
LM End	0.36	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.673229 °	38.672069 °
				-121.671732 °	-121.671516 °
DWR ID	DWR_RD2035_02_s_2016_1				
Comment Code					
Inspector Comment					
2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Slumping of the lower toe. New slumped section on downstream end. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_0-1_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	0.38	Rating **	U	Issue No.	985
LM End	0.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.671813 °	38.671813 °
				-121.671581 °	-121.671581 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50171  
DS\_ID:17822  
EP\_NO: N/A  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 09/14/2016 - Flap gate on the WS was submerged at time of inspection. LS headwall at the pumping plant has exposed rebar. There is still erosion present behind the headwall. However, water was present making it difficult to determine if it is getting worse. As-built drawings were requested from LMA consultant representative. (T. Hatch/UCIP)04/02/2013 - Flap gate broken in half on WS toe. Some erosion at headwalls on pumping plant. (W. Wylie/UCIP) FIELD\_STRUCT\_DESC: 44-inch corrugated metal drainage pipe through the levee, 22 feet below the crown. There is a pump on a platform in a drainage ditch at the toe of the landside (LS) slope. There is a slide gate and flap gates in 5 foot by 9 foot concrete box. There is a flap gate on waterside (WS) toe. There is an 8-inch vent/standpipe at WS toe. [Additional Reference(s): DWR Levee Logs, 1990. USACE Sacramento O&M Manual 121, May 1959 (LM 0.4)].  
FS Date: 9/14/2016

LM Start	<b>0.38</b>	Rating **	U	Issue No.	<b>985 (cont)</b>
LM End	<b>0.38</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_50171\_18202.jpg



Pumping plant off LS toe.

Photo 2 of 2 : UCIP\_FA\_2016\_50171\_18201.jpg



Pipe and flap gate with vent riser on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	0.74	Rating **	C	Issue No.	17
LM End	0.74	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.666603 °	38.666603 °
				-121.670547 °	-121.670547 °
DWR ID	DWR_RD2035_02_f_2015_17				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
The ruts have been repaired in fall 2016.					

No Photos

LM Start	1.15	Rating **	C	Issue No.	18
LM End	1.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.660686 °	38.660686 °
				-121.669370 °	-121.669370 °
DWR ID	DWR_RD2035_02_f_2015_18				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	1.20	Rating **	M	Issue No.	2
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.660050 °	38.659465 °
				-121.669028 °	-121.668940 °
DWR ID	DWR_RD2035_02_s_2016_2				
Comment Code					
Inspector Comment					
2011 - Small sections of slumping, likely from wind wave. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_1-2_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	1.71	Rating **	M	Issue No.	984
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.652721 °	38.652721 °
				-121.667790 °	-121.667790 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50090  
DS\_ID:22956  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/14/2016 - Pipe has been removed from the levee and the levee has been repaired. It is unknown if these repairs were done with a permit or if the fill was properly compacted. Gas line markers still on WS shoulder of levee. It is unknown if another gas line exists in this location. (T. Hatch/UCIP)04/02/2013 - Pipe does not have appropriate cover and is marked as gasoline. Does not appear to be a permitted utility. (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: \*REMOVED\* 4-inch steel pipe through the levee, 3-inches below the crown. A 2-inch PVC pipe is sleeved through it. No other appurtenances found. Markers along alignment indicate pipe may be a gas line.  
FS Date: 9/14/2016

LM Start	<b>1.71</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>1.71</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_50090\_18922.jpg



Pipe crossing with gasline marker on LS shoulder.

Photo 2 of 2 : UCIP\_FA\_2016\_50090\_18921.jpg



Pipe on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	1.98	Rating **	M	Issue No.	4
LM End	2.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.648881 °	38.648178 °
				-121.666653 °	-121.666385 °
DWR ID	DWR_RD2035_02_s_2016_4				
Comment Code					
Inspector Comment					
2006 - Wave wash erosion and some saturation slumping occurring. Tension/separation cracks evident in fine grained levee slope materials. 2011 - Small sections of slumping lower bank, just downstream of bank rock. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-0_R]					

No Photos

LM Start	2.18	Rating **	M	Issue No.	979
LM End	4.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646063 °	38.623062 °
				-121.666332 °	-121.648925 °
DWR ID	DWR_RD2035_02_s_2012_979				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the landside toe of the levee.					

Photo 1 of 1 : FA\_2016\_RD2035\_239\_979\_20160929\_00030.jpg



View of the ditch on the landward side of the levee looking downstream. Fall 2016.

LM Start	2.26	Rating **	M	Issue No.	5
LM End	2.60	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.645319 °	38.640997 °
				-121.665089 °	-121.661878 °
DWR ID	DWR_RD2035_02_s_2016_5				
Comment Code					
Inspector Comment					
2011 - Erosion from wind waves along entire length of the levee toe. Several sections of slumping bank along the toe. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-3_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	2.78	Rating **	M	Issue No.	6
LM End	3.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.638731 °	38.632783 °
				-121.660247 °	-121.655864 °
DWR ID	DWR_RD2035_02_s_2016_6				
Comment Code					
Inspector Comment					
2011 - Wave wash erosion and several sections of slumping bank along the toe. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_2-8_R]					

No Photos

LM Start	2.83	Rating **	M	Issue No.	981
LM End	2.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.638024 °	38.638024 °
				-121.659929 °	-121.659929 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41907					
DS_ID:17826					
EP_NO: 8640					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact owner to determine status and location of crossing. Unable to locate.					
FIELD_STRUCT_DESC: 8-inch steel gas line through levee 4.0 feet below crown. Valve on waterward shoulder protected by 2-2-inch steel pipes extending 1-foot above ground.(Permit No. 8640 - P.G.&E.)					
FS Date: 4/2/2013					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	4.09	Rating **	M	Issue No.	7
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.622224 °	38.618302 °
				-121.648201 °	-121.645296 °
DWR ID	DWR_RD2035_02_s_2016_7				
Comment Code					
Inspector Comment					
2006 - Wave wash erosion and some saturation slumping occurring. Several small scallops present in lower levee slope/toe due to saturation slumping. Tension/separation cracks evident in fine-grained levee slope materials. 2011 - Small pockets of erosion throughout the site. Site formerly called 3.8. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: YOL_4-2_R]					

No Photos

LM Start	4.43	Rating **	M	Issue No.	980
LM End	4.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618030 °	38.618030 °
				-121.645192 °	-121.645192 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11526 DS_ID:17828 EP_NO: 1701 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. FIELD_STRUCT_DESC: 60-inch corrugated metal drain pipe through the levee 20.6 feet below the crown encased in 6-inches of reinforced concrete. Slide gate in 7-foot diameter C.M. pipe riser on waterward slope. Pumping plant with 6-pumps/pipes that discharge into a 4-ft by 18-ft surge box on the LS toe. (Permit No. 1701 - R.D. 2035) FS Date: 4/3/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_11526\_18935.jpg



Surge box and pumping plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	4.43	Rating **	M	Issue No.	980 (cont)
LM End	4.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618030 °	38.618030 °
				-121.645192 °	-121.645192 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11526 DS_ID:17828 EP_NO: 1701 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Animal activity at outlet causing damage to berm and undermining the pipe at the outlet headwall on WS toe. FIELD_STRUCT_DESC: 60-inch corrugated metal drain pipe through the levee 20.6 feet below the crown encased in 6-inches of reinforced concrete. Slide gate in 7-foot diameter C.M. pipe riser on waterward slope. Pumping plant with 6-pumps/pipes that discharge into a 4-ft by 18-ft surge box on the LS toe. (Permit No. 1701 - R.D. 2035) FS Date: 4/3/2013					

Photo 2 of 2 : UCIP\_FA\_2016\_11526\_18934.jpg



7-foot diameter CMP riser and slide gate on WS slope.

LM Start	4.43	Rating **	M	Issue No.	10
LM End	6.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.617921 °	38.589619 °
				-121.645109 °	-121.631277 °
DWR ID	DWR_RD2035_02_s_2013_10				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the landside levee toe.					

Photo 1 of 1 : FA\_2016\_RD2035\_239\_10\_20161013\_00033.jpg



View of the drainage ditch on the landward side of the levee looking downstream. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	5.81	Rating **	A/W	Issue No.	19
LM End	5.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.600462 °	38.600462 °
				-121.632705 °	-121.632705 °
DWR ID	DWR_RD2035_02_f _ 2015_19				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Recommend getting rid of arundo.					

LM Start	<b>5.81</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>5.81</b>	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA\_2016\_RD2035\_239\_19\_20160906\_00006.jpg



View of the arundo at the toe of the levee. Fall 2015.

Photo 2 of 2 : FA\_2016\_RD2035\_239\_19\_20160929\_00032.jpg



View of the arundo at the toe of the levee. Fall 2015.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	6.50	Rating **	M	Issue No.	983
LM End	6.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590691 °	38.590691 °
				-121.631284 °	-121.631284 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50089  
DS\_ID:17868  
EP\_NO: 16480  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/14/2016 - Erosion on the LS toe at the sheet pile walls for the pumping plant is still present. It does not appear to be significantly different than during the previous inspection. Erosion should be monitored, but at this time does not appear to result in a potential threat to levee integrity. (T. Hatch/UCIP)04/03/2013 - Erosion on LS toe at pumping plant. Severe erosion of sheet pile walls at pumping plant. (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: 1 of 2: 60-inch by 48-inch concrete box drainage conduit through the levee, 22-feet below the crown. There is a steel walkway to the slidegate handles on the waterside (WS) shoulder. 6 foot by 18 foot surge box and pumping plant on the landside (LS) toe. This pipe replaced the 48-inch at this same location. (Permit No. 16480, 1996 - Conaway Conservancy Group/RD2035)  
FS Date: 9/14/2016

LM Start	<b>6.50</b>	Rating **	M	Issue No.	<b>983 (cont)</b>
LM End	<b>6.50</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_50089\_18327.jpg



Steel walkway to slide gates on WS shoulder.

Photo 2 of 2 : UCIP\_FA\_2016\_50089\_18326.jpg



Pumping plant on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	7.63	09/28/2016 09/28/2016	Sterling York

LM Start	6.50	Rating **	M	Issue No.	982
LM End	6.50	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590680 °	38.590680 °
				-121.631283 °	-121.631283 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50088 DS_ID:17891 EP_NO: 16480 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 09/14/2016 - Erosion is still present on the LS of the levee off the WS toe. This erosion should continue to be monitored, but does not appear to be a threat to levee integrity at this time. (T. Hatch/UCIP)04/02/2013 - Severe erosion at pumping plant on LS toe. (W. Wylie/UCIP) FIELD_STRUCT_DESC: 2 of 2: 60-inch by 48-inch concrete box drainage conduit through the levee, 22-feet below the crown. There is a steel walkway to the slidegate handles on the waterside (WS) shoulder. 6 foot by 18 foot surge box and pumping plant on the landside (LS) toe. This pipe replaced the 48-inch at this same location. (Permit No. 16480, 1996 - Conaway Conservancy Group/RD2035) FS Date: 9/14/2016					

LM Start	<b>6.50</b>	Rating **	M	Issue No.	<b>982 (cont)</b>
LM End	<b>6.50</b>	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP\_FA\_2016\_50088\_18321.jpg



Steel walkway to Slide gate handles on WS shoulder.

Photo 2 of 2 : UCIP\_FA\_2016\_50088\_18320.jpg



Surge box and pumping plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2016 Levee Inspection Results**

**Reclamation District No. 2035 Conaway**

Waterway			Bank	Unit Miles
Unit No. 03 Willow Slough Bypass			Left	2.51
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/17/2016 - 3/17/2016		9/28/2016 - 9/28/2016	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Peter Blum		Peter Blum	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

# Reclamation District No. 2035 Conaway

View of the maintained annual vegetation on the landside looking upstream. Fall 2016.

Page 1 of 7



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/28/2016 09/28/2016	Sterling York

LM Start	0.06	Rating **	M	Issue No.	973
LM End	2.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.575615 °	38.590919 °
				-121.636680 °	-121.658682 °
DWR ID	DWR_RD2035_03_s_2012_973				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 2 : FA\_2016\_RD2035\_240\_973\_20160906\_00002.jpg



Landside drainage ditch at levee toe. Spring.

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>973 (cont)</b>
LM End	<b>2.16</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA\_2016\_RD2035\_240\_973\_20160929\_00016.jpg



View of landside ditch at the levee toe looking upstream. Fall 2016.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/28/2016 09/28/2016	Sterling York

LM Start	0.81	Rating **	U	Issue No.	977
LM End	0.81	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.581057 °	38.581057 °
				-121.645142 °	-121.645142 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:50078  
DS\_ID:17823  
EP\_NO: 6123  
Repair Type: Urgent  
Crossing Status: Indicator Found  
UCIP Comments: 09/14/2016 - No markers present where the pipe crosses levee. pipe vent appears to indicate alignment parallel to the levee at its visible location. However, permit records indicate pipe does cross the levee approximately 75 feet south from the visible well. (T. Hatch/UCIP)04/03/2013 - Need to install gasoline markers through the levee if pipe is still active. (W. Wylie/UCIP)  
FIELD\_STRUCT\_DESC: 6-inch soil-proofed steel high pressure gas line through the levee, 2.5 feet below the crown. There is a pipe at vent visible off landside (LS) toe. (Permit No. 6123, 1968 - P.G.&E.)  
FS Date: 9/14/2016

LM Start	<b>0.81</b>	Rating **	U	Issue No.	<b>977 (cont)</b>
LM End	<b>0.81</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_50078\_18345.jpg



Gasline vent off LS toe.

Photo 2 of 2 : UCIP\_FA\_2016\_50078\_18344.jpg



Gasline vent off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/28/2016 09/28/2016	Sterling York

LM Start	1.39	Rating **	M	Issue No.	976
LM End	1.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.589425 °	38.589425 °
				-121.645359 °	-121.645359 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:41128					
DS_ID:17836					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Need to clear vegetation and debris from WS at outlet.					
FIELD_STRUCT_DESC: 36-inch Corrugated metal pipe through levee 17.5 feet below crown, flap gate on waterward end, slide gate and concrete headwall on landward end. Originally included in O+M manual (1952).					
FS Date: 4/3/2013					

LM Start	<b>1.39</b>	Rating **	M	Issue No.	<b>976 (cont)</b>
LM End	<b>1.39</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_41128\_18348.jpg



Slide gate and headwall in canal at LS toe.

Photo 2 of 2 : UCIP\_FA\_2016\_41128\_18347.jpg



Slide gate and headwall in canal at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/28/2016 09/28/2016	Sterling York

LM Start	2.17	Rating **	M	Issue No.	974
LM End	2.17	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590934 °	38.590934 °
				-121.658940 °	-121.658940 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:11011  
DS\_ID:17837  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Debris and vegetation partially blocking inlet and outlet at both toes.  
FIELD\_STRUCT\_DESC: 48-inch corrugated metal pipe through levee 19.0 feet below crown, slide gate on both ends. Originally included in O+M manual (1952).  
FS Date: 4/3/2013

LM Start	<b>2.17</b>	Rating **	M	Issue No.	<b>974 (cont)</b>
LM End	<b>2.17</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : UCIP\_FA\_2016\_11011\_18354.jpg



Slide gate at WS toe showing excessive vegetation.

Photo 2 of 2 : UCIP\_FA\_2016\_11011\_18353.jpg



Slide gate at LS toe showing excessive vegetation.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



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Levee Inspections**

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**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/28/2016 09/28/2016	Sterling York

LM Start	2.19	Rating **	M	Issue No.	975
LM End	2.19	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590909 °	38.590909 °
				-121.659311 °	-121.659311 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:11012					
DS_ID:17838					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris and vegetation partially blocking both ends of pipe.					
FIELD_STRUCT_DESC: 36-inch pipe through levee 18.0 feet below crown, slide gate on LS toe. Combination flap and slide gate on WS toe. Originally included in O+M manual.					
FS Date: 4/3/2013					

Photo 1 of 2 : UCIP\_FA\_2016\_11012\_18357.jpg



Combination flap and slide gate on WS toe. With excessive vegetation

LM Start	<b>2.19</b>	Rating **	M	Issue No.	<b>975 (cont)</b>
LM End	<b>2.19</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : UCIP\_FA\_2016\_11012\_18356.jpg



Headwall at bottom of fenceline on LS toe

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2016**

**Reclamation District No. 2035 Conaway**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Willow Slough Bypass	Left	2.51	09/28/2016 09/28/2016	Sterling York

LM Start	2.23	Rating **	M	Issue No.	5
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.590893 °	38.590760 °
				-121.659942 °	-121.665210 °
DWR ID	DWR_RD2035_03_s_2013_5				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : FA\_2016\_RD2035\_240\_5\_20160906\_00001.jpg



Fence along the landside shoulder of the crown.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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